| Index of Claims | • |
|-----------------|---|
| | |

| Applica | ntion/Control No. |
|---------|-------------------|
| 10 | 698216 |
| Exami | er |

Applicant(s)/Patent under Reexamination

Art Unit

| √. | Rejected |
|---------|----------|
| | Allowed |

6

| _ | (Through numeral) Cancelled |
|---|--------------------------------|
| ÷ | Restricted |

| N | Non-Elected |
|---|--------------|
| 1 | Interference |

| • | A | Appeal |
|---|---|----------|
| | 0 | Objected |

| | | | | _ | | L | | L | _ | _ | | | | _ | • | | | | Ĺ | _ | L | |
|----|----------|-----|--------|--|----------|---|---|---|---|----------|----|----------|---|----|-----|-----------|--|---|----------|-----------|----------|---|
| | | ÷ | | | | _ | | _ | | _ | | | _ | | | | | | | | | |
| | | L | CI | ain | 1_ | L | | | | | | | _ | Da | ate | 9 | | | | | | _ |
| | | | | 1 | | l | | | | I | | Γ | | Γ | | | ٦ | | Τ. | | , | |
| • | | 3 | Ø | | Ě | | | l | • | l | | | | | ı | | 1 | | 1 | | | |
| | • | Ü | | ز | Original | l | | ı | | ı | | | | | | | 1 | | ſ | į | | |
| | | | | | | | | ı | | | | ١. | į | | ١ | | 1 | | l | | | |
| | ı | | \neg | | | Γ | | | | Γ | | | | Г | 7 | | 7 | | 1 | | | |
| | | | | 5 6 7 9 10 | 2 | | | Г | | 1 | | Т | | _ | ٦ | _ | 7 | _ | t | | _ | 1 |
| | [| | | 3 | 3 | | | | | | | _ | | _ | | _ | 1 | _ | T | 7 | _ | 1 |
| | | | | 4 | | | | _ | | | | | ٦ | _ | 7 | _ | 1 | | 1 | 7 | | 1 |
| | 1 | _ | | 5 | | | _ | | | | ٦ | | | _ | 7 | | T | | T | 7 | | 1 |
| | | | | 6 | | | | | | | П | | | | 1 | | T | | T | 7 | | 1 |
| | | | _ | _7 | | | | | | | | | I | | I | | Ī | | | 7 | | 1 |
| | | | | 2 | A | | | | | _ | | | I | | Ι | | Ι | | | \exists | | 1 |
| | | | _{ | ್ರಿ | 2 | _ | _ | | _ | | _ | _ | | | | | I | | | \Box | |] |
| | 1 | | | 10 | 2 | _ | _ | _ | | | | | I | | Ι | | Γ | | | T | |] |
| | ŀ | | 4 | 1, 1, | Ц | _ | | _ | 1 | _ | | _ | 1 | | 1 | | L | | | \perp | | |
| | - | | _[| 1 | | | 1 | _ | 1 | _ | _ | _ | 1 | _ | L | | L | | | | | l |
| | - | | _{ | 13 | 2 | _ | 4 | | 4 | | 4 | _ | 1 | _ | 1 | | L | | _ | | | l |
| | - | | 4 | 14 | Ц | _ | 4 | | 1 | | 1 | | 1 | _ | L | | L | | | _ | | ļ |
| | - | | 4 | 15 | | _ | 1 | | 1 | | 1 | _ | 1 | | Ŀ | _ | L | | | | | |
| | L | | 4 | 16 | 1 | _ | 1 | | 1 | _ | 1 | | L | | L | _ | L | _ | | L | | |
| | ŀ | | 4, | 17 | | | 1 | _ | 1 | _ | 1 | _ | L | | L | | L | _ | <u>.</u> | L | | |
| | 1 | | 45 | 18 | 1 | | 1 | | 1 | _ | 4- | _ | L | | L | | L | _ | _ | <u> </u> | _ | |
| | \vdash | | - | 19 | 4 | _ | 1 | _ | 1 | | 4 | _ | - | | L | _ | _ | _ | | 4 | ᆚ | |
| | ⊦ | _ | - - | 13 14 15 16 17 18 19 20 21 | - | _ | - | | 1 | | 4 | _ | L | | L | _ | _ | 4 | | 1 | | |
| | H | | - | / | ⋠ | _ | ╀ | | + | | 4 | | - | | _ | 4 | _ | 4 | _ | 1 | 4 | |
| | - | — | 4 | <u>22</u> 23 | 4 | , | 1 | _ | ╀ | <u>.</u> | ╀ | _ | - | _ | L | | <u>.</u> | 4 | | 1 | 4 | |
| | ┝ | | + | 23 | * | _ | ╀ | _ | ╀ | _ | ╀ | _ | - | - | L | 4 | _ | 4 | | ╁- | | |
| | H | | H | 25 | ╁ | | ┝ | | ╀ | _ | ╀╌ | _ | _ | - | _ | 4 | _ | - | | - | 4 | |
| | ┝ | _ | + | 爰 | 4 | - | ┝ | _ | ╁ | _ | ŀ | - | _ | Н | | 4 | - | + | _ | + | 4 | |
| | 1- | - | ╫ | 26 27 | ╁ | - | ┝ | - | ┝ | | ┝ | \dashv | _ | 4 | _ | + | - | + | | ╁ | 4 | |
| - | - | _ | 17 | 28 28 | ታ | - | F | - | 1 | - | ╄ | - | _ | - | _ | ┥ | | + | _ | ╀ | \dashv | |
| - | = | - | ۲ | 28 29 30 | 4 | _ | - | - | - | - | ┝ | ┪ | - | - | _ | ╁ | _ | ╁ | | ├ | 4 | |
| i | - | _ | | 30 | ╁ | _ | ┝ | - | ┝ | _ | - | ┨ | _ | 1 | | + | _ | ╁ | - | - | \dashv | |
| ı | _ | | 1 : | ₹1 | ╁ | - | Н | | - | _ | - | 7 | - | + | - | + | _ | ╁ | | ┝ | \dashv | |
| 1 | _ | | 1 | 32 | ✝ | - | - | _ | H | | - | + | | 7 | - | ╁ | <u>. </u> | + | - | ┝ | 1 | |
| İ | | | 1 | 33 | T | ٦ | - | 7 | - | - | - | + | | + | - | \dagger | | + | | - | 4 | |
| Ì | _ | | 1 | 34 | 1 | | _ | ٦ | _ | ٦ | | + | | + | | + | _ | t | | \vdash | 1 | |
| | | | [3 | 32 33 34 35 36 | Γ | 1 | _ | 7 | _ | 7 | | 1 | _ | † | _ | t | | t | | _ | 1 | |
| | _ | | [3 | 36 | Ι. | 7 | | 1 | _ | 7 | | † | | † | _ | T | | 1 | | | 1 | |
| | | | 3 | 37 | Γ | 1 | | 1 | | 1 | | 1 | _ | † | | T | _ | t | T | | 1 | |
| I | | | 3 | 8 | Г | 7 | | 7 | | 1 | | 1 | | 1 | - | 1 | _ | 1 | ٦ | _ | 7 | |
| r | | _ | 3 | 9 | Γ | 1 | | 1 | _ | 1 | _ | 1 | _ | † | _ | T | _ | T | 7 | | 1 | |
| ſ | | | 4 | 0 | | 1 | _ | 7 | _ | 7 | _ | Ť | | T | | T | _ | T | ٦ | | 1 | |
| | | | 4 | 1 | | Ť | _ | 1 | | 1 | | 1 | _ | t | _ | T | | 1 | 7 | _ | 1 | |
| ſ | _ | | 4 | 2 | | 1 | | 1 | _ | 1 | : | T | | T | | T | | T | 7 | | 1 | |
| Ĺ | | | 4 | 3 | | T | _ | Ť | | 1 | | T | _ | T | | 1 | | Γ | 7 | _ | 1 | |
| [, | | | 4 | 4 | | Τ | _ | Ī | | Ť | | 1- | | 1- | | 1- | | Г | 7 | | 1 | |
| Ľ | | | 4 | 5 | | T | _ | T | | Ť | | T | | T | | 1 | 7 | - | + | | 1 . | |
| | _ | | 4 | 6 | | ŀ | | T | _ | T | • | 1- | _ | T | | | 7 | | + | | 1 | |
| | | | 4 | 7 | | Γ | | | | ľ | | Γ | | 1 | | | 7 | | + | | | |
| _ | | _[| 41 | 3 | | | _ | | | Ι | _ | | _ | Γ | | _ | 1 | | 1 | _ | | |
| _ | | | 49 | | | L | _ | | Ξ | L | | | _ | | | _ | _ | _ | Ţ | | | |
| | | - [| 50 |) [| | ľ | _ | ľ | | ſ | _ | Γ | | Ī | 7 | | T | | T | | | |

| | _ | | | | _ | _ | | | | | | _ | | _ | _ | _ | _ | | | _ |
|----------|--|----------|----------------------|--------------|----|---|----|-----|----|-----|-----|----|--------------|---------|-----|-----|--------------|----|----------|----------|
| | L | CI | aim | 1 | L | | | | | | | | Da | ate | 9 | | | | | |
| | | | 1 | | Τ | | Г | | Γ | | Τ | _ | Т | | | ٦ | | Т | | Γ |
| | 1. | <u></u> | 1 8 | | ı | | ļ | | ĺ | | L | | ı | | | -1 | | 1 | | L |
| | ١, | E . |]] | 2 | l | | l | | İ. | | l | | | | | - [| | 1 | | l |
| | 1 ' | _ | ا د | 5 | L | | ı | - | | | l | | | ı | | -1 | | | | Į. |
| | L | <u>.</u> | 1 | | L | | Ŀ | | L | _ | L | | L | _ | | | | | | ľ |
| | 1 | | 5 | 1 | | | Į. | | Γ | | Γ | | Γ | | _ | 7 | | Τ | _ | Γ |
| | | | 5 | 7 | T | | r | | 1 | | T | _ | | 7 | - | 1 | | † | | ┢ |
| | \vdash | | 5 5 | <u></u> | ┢ | _ | ı | | - | _ | H | _ | - | ┥ | | + | | ╀ | _ | - |
| | H | | -2 | <u>-</u> | ١. | | Ļ | | _ | _ | L | _ | <u> </u> | 4 | | 4 | • | 1 | _ | Ŀ |
| | - | | 54 55 | 4 | L | | L | | _ | _ | L | _ | L | \perp | | 1 | | L | | L |
| | _ | | 5 | 5 | L | | | | | | | | | 1 | | 1 | | Γ | | Γ |
| | | | 56 | 3 | | | | | | | | | | 7 | | 1 | | T | | Г |
| | Г | | 57 | 7 | Т | | | | _ | | _ | | | 7 | _ | † | _ | t | 7 | _ |
| | | | 58 | ╗ | | 7 | _ | - | - | ~ | | - | _ | + | | ╁ | _ | - | - | - |
| | | - | 59 | \forall | | 4 | _ | - | _ | - | | 4 | _ | + | | + | | Ľ | -1 | |
| | | - | - 00 | 2 | _ | 4 | | 4 | _ | | | 4 | _ | 4 | _ | 4. | | L | 4 | _ |
| | <u> </u> | _ | 60 | 4 | | 4 | _ | 4 | _ | _ | | 4 | | 1 | | L | | L | | |
| | <u> </u> | _ | 61 | Ц | _ | ⅃ | | | | | | ل | - | 1 | | | | | -{ | |
| | L. | _ [| 62 63 | 1 | _ | 1 | _ | Ī | • | 7 | | 7 | _ | T | _ | Γ | | | 7 | |
| | | \neg | 63 | 7 | | 7 | _ | 7 | _ | 7 | _ | 7 | _ | † | _ | T | | - | 7 | _ |
| - | | -1 | 64 | ٦ | | † | _ | + | - | + | | + | <u>.</u> | + | | ╁ | - | - | + | |
| 1 | | - | 65 | - | _ | + | - | + | - | + | | + | _ | + | _ | - | - | | - - | _ |
| - 1 | | - | 00 | 4 | _ | + | | 4 | _ | 4 | | 4 | _ | + | | 1 | _ | | 4. | |
| - | | 4 | 66 | 4 | _ | 1 | | 1 | | 1 | | 1 | | L | | L | | • | _[: | |
| l | | | 67 | | • | 1 | | 1 | | | | 1 | | | | | | | 1 | |
| | | T | 68 | T | | T | | Ţ | | T | | 7 | | 1 | | !- | 7 | _ | 7 | _ |
| Ī | | 7 | 68 69 | 7 | | † | | † | _ | † | _ | t | | 1- | ••• | - | 7 | _ | + | _ |
| ı | | + | 70 | + | _ | † | _ | 1 | - | + | _ | ╁ | _ | ╁ | - | ┝ | - | _ | ╁ | _ |
| ŀ | <u> </u> | | 71 | + | _ | ╁ | _ | - - | _ | - - | | ╬ | _ | ╀ | _ | _ | - | | - - | |
| ŀ | | | | 4 | _ | 1 | _ | - - | _ | J. | | 1 | _ | L | | _ | _[| | 1 | _ |
| ļ | | - - | 72 | Ŀ | | 1 | | 1 | | 1 | | L | _ | L | | | \sqcup | | | |
| Ĺ | | | 72 73 74 75 | 1_ | | l | | | | l | | Γ | | | | | Т | | T | _ |
| ſ | , | 7 | 74 | 7 | | Τ | | T | _ | 7 | | T | | 1 | 7 | _ | 7 | | † | _ |
| r | | T | 75 | 7 | _ | T | _ | 1- | _ | T | _ | T | | - | ᅥ | _ | 7 | | t | _ |
| r | • | - - | 76 | † | _ | t | _ | †- | _ | t | _ | H | • | ÷ | ┪ | _ | ┪ | _ | ╁ | - |
| H | | + | 76 77 | ╁ | - | ┝ | _ | ╁ | _ | ┝ | · | ╂− | | - | 4 | | + | | ╁ | |
| ŀ | | - - | <u>//</u> | - | _ | - | | ╀ | | L | _ | L | | _ | 4 | | 4 | | _ | _ |
| L | | | 78 | 1 | _ | Ŀ | _ | L | _ | L | | L | _ | | ╛ | | ┙ | _ | L | : |
| L | | ┸ | 79 | L | | | | | | L | | ĺ | | | 1 | | 1 | | Г | |
| 1 | | 1 | 80 | Γ | | | | Γ | _ | Γ | | | | _ | 7 | | 1 | | Τ | |
| ٢ | | | 81 | Τ | | _ | | Γ | _ | Γ | | Г | 7 | _ | † | - | † | | ✝ | - |
| 1 | • | 1 | 82 | † | - | - | _ | Η | | ┢ | - | - | + | - | + | | + | | \vdash | - |
| H | | 17 | 83 | ╁ | - | - | - | - | - | - | - | - | 4 | | + | _ | + | | ┝ | - |
| 1 | | + | 0.0 | ╀ | - | - | - | H | | _ | 4 | _ | 4 | | 4 | _ | + | | _ | _ļ |
| 1 | | 14 | 34 35 | 1 | _ | _ | | L | 4 | _ | 4 | | 4 | | 4 | | 1 | | L | ⅃ |
| Ŀ | | 13 | 35 | L | | _ | | | | _ | | | | _ | | | \perp | | L | J |
| L | | L | 36. | L | _ | | _J | | l | | _ [| | I | - | ſ | | Γ | | | 7 |
| Г | | 1 | 37 | • | 7 | | 7 | _ | ٦ | _ | 7 | _ | 1 | | T | _ | 1 | | | 7 |
| r | | 1 | 38 | 1 | 1 | | 7 | _ | 1 | - | 7 | _ | + | - | + | _ | + | ٦ | | \dashv |
| 1- | | + | 39 | 1 | 4 | _ | 4 | | 4 | _ | - | - | + | | + | | ╀ | 4 | _ | 4 |
| ⊢ | | | | - | 4 | | 4 | _ | 4 | | 4 | _ | 4 | _ | 1 | | L | _ | | ╛ |
| L | : | | 0 | L_ | ┙ | | 1 | | 1 | _ | _ | _ | 1 | | L | _ | L | J | | |
| L. | | ١٤ | 1 | L | -[| | ſ | | ſ | | 1 | _ | J | | Γ | | Γ | 7 | | ٦ |
| Γ | | 9 | 2 | | 1 | _ | 7 | | 7 | | 7 | | + | _ | T | | 1- | 7 | _ | 1 |
| 广 | | | 3 | | † | _ | + | _ | † | - | + | - | + | | ۲ | ÷ | - | + | _ | H |
| \vdash | | | 4 | _ | + | | ╁ | | + | _ | + | | ╀ | | 1 | _ | | + | _ | 4 |
| <u> </u> | | | | | + | | 4 | | 4 | | 4 | ٠. | 1 | | L | _ | <u> </u> _ | 4 | _ | 1 |
| _ | | 9 | | | 1 | | 1 | _ | 1 | _ | 1 | _ | 1 | | L | | L | | | |
| | | 9 | 6 | _ | 1 | | | | Ī | | ſ | | Γ | _ | آ | 1 | | T | _ | 1 |
| | | 9 | 7 | | | _ | 7 | | 1 | _ | 7 | | 1 | | | | - | 7 | _ | 1 |
| | - | 9 | | | 1 | | 1 | | † | _ | 1 | | t | _ | - | - | | + | | 1 |
| | | 9 | a l | | 1 | | + | | + | | + | - | 1- | | - | - | _ | + | _ | 1 |
| _ | | | | | + | _ | ╁ | _ | - | | 1 | _ | - | _ | | 4 | | 4- | | 1 |
| | - 1 | 10 | ·υΙ | | 1 | | 1 | | 1 | | 1 | | 1 | | | - [| | 1 | | 1 |

| | | ليث | - | | _ | - | _ | | | _ | _ | | - | - | لــ | | | | |
|--------------|----------|----------------------|----------|-----------|----|-----------|---|---|----------|---|---|----|---------------|---|----------|----|----------|----------|----------|
| | | Clain | | | | | | | | | | | | | | | | - | |
| | Final | | Onginal | | | | | | | | | | | | | | | | |
| 1 | | 1 | 01 | H | 1 | _ | 1 | _ | + | - | † | _ | ╁ | - | _ | + | | ├ | - |
| - | | 1 | 02 | _ | 7 | _ | 1 | _ | † | | † | _ | † | ٦ | - | † | _ | ╁ | _ |
| | | 1 | 03 | | 7 | - | 7 | _ | 1 | | Ť | - | 1 | | | 十 | | Ė | _ |
| 1 | | 11 | 04 | | | | | | I | | T | | 1 | ٦ | _ | † | _ | ľ | Ŧ |
| | | -10 |)5 | | | | | | I | | Ι | | Γ | | _ | | | | _ |
| ŀ | | 110 |)6 | L | 4 | _ | 1 | | Ţ. | | 1 | | | | | I | _ | | |
| ŀ | | 110 |)7. | | 4 | | 4 | | 1 | _ | 1 | | L | 4 | | 1 | _ | _ | _ |
| ŀ | <u> </u> | 10 | | _ | + | _ | 1 | _ | ╀ | | Ļ | | _ | 4 | | 1 | | L | _ |
| ł | | 11 | 0 | | ╁ | - | ╁ | _ | ╀ | | ╀ | | - | + | _ | ŀ | _ | _ | 4 |
| ŀ | | 1:1 | | | + | _ | + | _ | ┝ | | ┝ | | ⊢ | + | _ | ╀ | 4 | | 4 |
| ŀ | | 11 | | | + | - | ┢ | _ | ╁ | | ├ | - | ⊢ | ╁ | | ┝ | \dashv | | 4 |
| r | | 11 | 3 | _ | † | | ╁ | | ╁ | | ┝ | - | ┝ | ╁ | _ | ╁ | - | _ | \dashv |
| r | | 111 | 4 | _ | † | | t | _ | - | ÷ | ŀ | | - | ╁ | | ┢ | 4 | | ┨ |
| | | 11 | 5 | | 1 | | T | _ | - | _ | Г | ٦ | $\overline{}$ | † | _ | t | 7 | _ | 1 |
| | | 11 | 6 | | 1 | | Γ | | | | Т | | _ | T | | ļ- | 7 | _ | 1 |
| L | | 11 | 7 | | ŀ | _ | | | | | | • | | T | _ | _ | 7 | | 7 |
| L | | 11 | 8 | | Į. | | L | | | | | | | Ι | | | | |] |
| ļ. | | 11 | 9 | | Ļ | | L | _ | _ | 4 | _ | _ | | Ļ | | | 1 | |] |
| - | | 12 | 힞 | _ | - | _ | Ļ | 4 | | 4 | _ | 4 | | Ľ | _ | _ | _ _ | • | 1 |
| ┡ | | 12 | ⊹⊦ | _ | - | - | _ | 4 | | 4 | | 4 | | - | _ | _ | 4 | | 1 |
| - | | 12 12 12 12 | 2 | _ | - | - | _ | 4 | <u> </u> | 4 | _ | + | _ | ╀ | 4 | | - | _ | 1 |
| - | | 12 | 4 | - | - | - | - | + | - | + | _ | + | | ┝ | 4 | _ | + | | - |
| _ | | 12 | 5 | | - | 7 | | 1 | - | + | | + | _ | ┝ | 1 | - | ╁ | _ | 1 |
| | | 120 | 3/ | | _ | 7 | _ | T | _ | † | _ | † | | ┢ | 7 | - | † | _ | 1 |
| | | 12 | 7 | | | · | | Ť | | Ť | _ | 7 | | 1 | 7 | _ | † | _ | 1 |
| | | 128 | 3 | | | | _ | | _ | I | | 1 | | | 1 | | 7 | _ | |
| _ | | 129 |) | _ | _ | 4 | _ | 1 | | 1 | _ | Ţ. | | | | | Ι | _ | |
| | | 130 | 4 | 4 | | 4 | _ | 4 | | 1 | | 1 | | L | 4 | | L | | |
| | | 131 132 | - | 4 | _ | 4 | • | + | _ | 1 | | 1 | - | L | 4 | _ | Ļ | _ | |
| - | | 133 | - | \dashv | | ╁ | _ | + | | ╀ | - | ╀ | - | | + | _ | ╀ | _ | |
| | _ | 134 | | 7 | | \dagger | - | + | | ╁ | - | ╁ | H | _ | + | | ╁ | ۲ | |
| | | 135 | - | 7 | _ | † | | † | - | 1 | _ | † | ┪ | _ | + | | ╁ | ٦ | |
| | | 136 | ╗. | 1 | _ | T | | T | | T | | T | | | † | _ | ✝ | ┪ | |
| | | 137 138 | Ι | | | ľ | | T | | | | T | | : | 7 | _ | | ٦ | |
| | | 138 | | I | _ | Ι | | I | · | | _ | | | _ | Ţ | _ | | 7 | |
| | _ | 139 | Ŀ | 1 | _ | | | | | | _ | ŀ | | | T | | Γ | 7 | |
| _ | 4 | 140 | \perp | 1 | | 1 | | Ĺ | _ | Ĺ | _ | Ĺ | I | | Γ | _ | | | |
| | 4 | 141 | \perp | 4 | _ | 1 | | L | | L | _ | L | _ | _ | 1 | | Ĺ | | |
| | - | 142 | + | + | _ | 1 | _ | 1 | _ | L | | L | 4 | | Ļ | _ | _ | _ | |
| . | 4 | 143 144 | \vdash | + | | ╀ | • | - | _ | _ | _ | _ | 4 | | ╀ | _ | L. | 4 | |
| - | \dashv | 144 | +- | + | | - | _ | - | - | _ | _ | L | - - | | + | - | | 4 | |
| | + | 146 | ╁ | + | | ╁ | - | - | 4 | - | 4 | - | - - | | \vdash | - | | \dashv | |
| _ | + | 147 | - | ╁ | | H | | - | \dashv | _ | - | | + | | - | - | | - | |
| | + | 148 | 1 | \dagger | _ | - | _ | - | 1 | _ | - | | - | _ | 1 | - | | 1 | |
| | 1 | 149 | | 1 | _ | - | | - | 7 | | 7 | _ | + | · | 1 | - | - | 1 | |
| _ | | 150 | 1 | 1- | _ | | ┪ | | 7 | | - | _ | - - | _ | 1- | + | | 4 | |